

Title (en)

A method for pickling iron and steel surfaces.

Title (de)

Verfahren zum Beizen von Eisen- und Stahloberflächen.

Title (fr)

Procédé de décapage de surfaces en fer ou en acier.

Publication

EP 0424340 A2 19910424 (EN)

Application

EP 90850333 A 19901016

Priority

SE 8903452 A 19891019

Abstract (en)

The invention relates to a method for pickling and/or etching iron and steel surfaces, in which the surfaces are treated in a pickling bath which contains inhibitors, mineral acids and metal salts of the anions of the acids. The method is characterized in that the inhibitor used is a mixture of tensides, silicates, phosphates and possibly oils, and in that the surfaces are preferably coated with inhibitor prior to being treated in the pickling bath. The surfaces are preferably first degreased with an aqueous tenside solution, therewith to emulsify hydrocarbons, such as grease and oils. Growth of microorganisms is stimulated for biological degradation of the hydrocarbons, by adding nutrient substances, whereafter the surfaces are treated in the pickling bath without intermediate rinsing.

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IPC 8 full level

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